

## Lab Worksheet: Investigating Electric Charges

Materials	Procedure	Observations
Balloon and small pieces of paper	<ol style="list-style-type: none"> <li>1. Rub the balloon vigorously on your hair or your skin.</li> <li>2. Assume the balloon has become negatively charged.</li> <li>3. Bring the balloon close to small pieces of paper.</li> <li>4. Write your observations.</li> </ol>	<p>Charge on balloon:</p> <p>Charge on small pieces of paper:</p> <p>What happens?</p>
Balloon and an aluminum pop can	<ol style="list-style-type: none"> <li>1. Rub the balloon vigorously on your hair or your skin.</li> <li>2. Assume the balloon has become negatively charged.</li> <li>3. Bring the balloon close to an aluminum pop can lying sideways on the table.</li> <li>4. Write your observations.</li> </ol>	<p>Charge on balloon:</p> <p>Charge on the aluminum pop can:</p> <p>What happens?</p>
Ebonite, fur, and small pieces of paper	<ol style="list-style-type: none"> <li>1. Rub the black ebonite rod vigorously on the fur fabric.</li> <li>2. Assume the ebonite rod has become negatively charged.</li> <li>3. Bring the charged ebonite rod close to small pieces of paper.</li> <li>4. Write your observations.</li> <li>5. Bring the charged fur (you may need to charge it again) close to the small pieces of paper.</li> <li>6. Write your observations.</li> </ol>	<p>Charge on ebonite rod:</p> <p>Charge on small pieces of paper:</p> <p>What happens?</p> <p>Charge on fur:</p> <p>Charge on small pieces of paper:</p> <p>What happens?</p>
Ebonite, fur, and a fine stream of water	<ol style="list-style-type: none"> <li>1. Rub the black ebonite rod vigorously on the fur fabric.</li> <li>2. Assume the ebonite rod has become negatively charged.</li> <li>3. Open the faucet to allow a very fine stream of water to flow.</li> <li>4. Bring the charged ebonite rod close the stream of water.</li> <li>5. Write your observations.</li> </ol>	<p>Charge on ebonite rod:</p> <p>Charge on water:</p> <p>What happens?</p>
Comb, balloon, and a fine stream of water	<ol style="list-style-type: none"> <li>1. Rub the comb vigorously on an inflated balloon.</li> <li>2. Assume the comb has become negatively charged.</li> <li>3. Open the faucet to allow a very fine stream of water to flow.</li> <li>4. Bring the charged comb close the stream of water.</li> <li>5. Write your observations.</li> <li>6. Bring the charged balloon close to the stream of water.</li> <li>7. Write your observations.</li> </ol>	<p>Charge on comb:</p> <p>Charge on water:</p> <p>What happens?</p> <p>Charge on balloon:</p> <p>Charge on water:</p> <p>What happens?</p>